

Claims

- [c1] A locking mechanism
a lock shell including a cylinder cavity defined by an inner wall;
a lock cylinder having a keyway therein and rotateably disposed within said cylinder cavity;
a plurality of tumblers contained within said lock cylinder and selectively movable in a first direction to engage a portion of said shell; and
one or more sidebar members disposed on said lock cylinder and selectively moveable in a second direction which is generally perpendicular to said first direction to form a sidebar member first position and a sidebar member second direction;
wherein said one or more sidebar members engages a raised surface located on said inner wall in said first position and disengages from said raised surface when in said second position.
- [c2] The locking mechanism of claim 1, wherein said lock cylinder can be removed from said shell only when said one or more sidebar members disengage said raised surface.

- [c3] The locking mechanism of claim 1 further comprising a shell locking tumbler.
- [c4] A lock including a locking mechanism comprising:
 - a lock shell including a cylinder cavity defined by an inner wall;
 - a lock cylinder having a keyway therein and rotateably disposed within said cylinder cavity;
 - a plurality of tumblers contained within said lock cylinder and selectively movable in a first direction to engage a portion of said shell; and
 - one or more sidebar members disposed on said lock cylinder and selectively moveable in a second direction which is generally perpendicular to said first direction to form a sidebar member first position and a sidebar member second direction;
 - wherein said one or more sidebar members engages a raised surface located on said inner wall in said first position and disengages from said raised surface when in said second position.
- [c5] The lock of claim 4, wherein said lock cylinder can be removed from said shell only when said one or more sidebar members disengage said raised surface.
- [c6] The lock of claim 4 further comprising a shell locking

tumbler.

- [c7] The lock of claim 4, wherein said plurality of tumblers includes at least four tumblers.
- [c8] The lock of claim 4, wherein said sidebar members are spring-biased into said first position.
- [c9] A lock comprising:
 - a lock shell including a cylinder cavity;
 - a first removable lock cylinder that can rotate between a locked position and an unlocked position;
 - a plurality of tumblers that selectively engage said lock shell; and
 - one or more sidebar members that are selectively engageable with a portion of the lock shell to allow the lock cylinder to be removed only when said one or more sidebar members are disengaged with said lock shell.
- [c10] The lock of claim 9, wherein said first lock cylinder can rotated a first number of degrees to move between said locked and unlocked positions.
- [c11] The lock of claim 10 further comprising a second lock cylinder that can replace said first lock cylinder once the first lock cylinder is removed from said shell.
- [c12] The lock of claim 11, wherein said second lock cylinder

can rotate a second number of degrees to move between said locked and unlocked positions, wherein said second number of degrees is different from said first number of degrees of rotation of said first lock cylinder.

- [c13] The lock of claim 9, wherein said portion of the lock shell that said sidebars selectively engage is a raised edge extending from an inner wall of said lock shell inner cavity.